

ABSTRACT OF THE DISCLOSURE

A servo-valve control device for controlling servo-valve opening. The servo-valve opening follows a target by inputting signals of a servo-valve opening target value and of an actual servo-valve opening. The control device has a controller, which is constructed to receive a signal of difference between the servo-valve opening target value and the actual servo-valve opening, and to generate a servo command signal for driving the servo valve. The control device also has an extended observer, which is constructed to receive the actual valve opening signal and the servo command signal, and to estimate an input-terminal disturbance signal added on the servo valve. The control device also has a modification part, which is constructed to modify the servo command signal by subtracting the estimated input-terminal disturbance signal output from the extended observer, from the servo command signal.